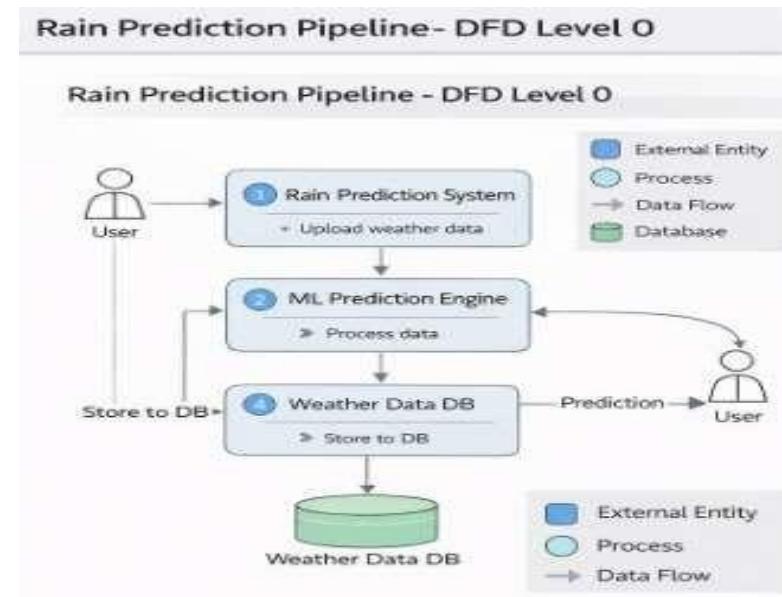
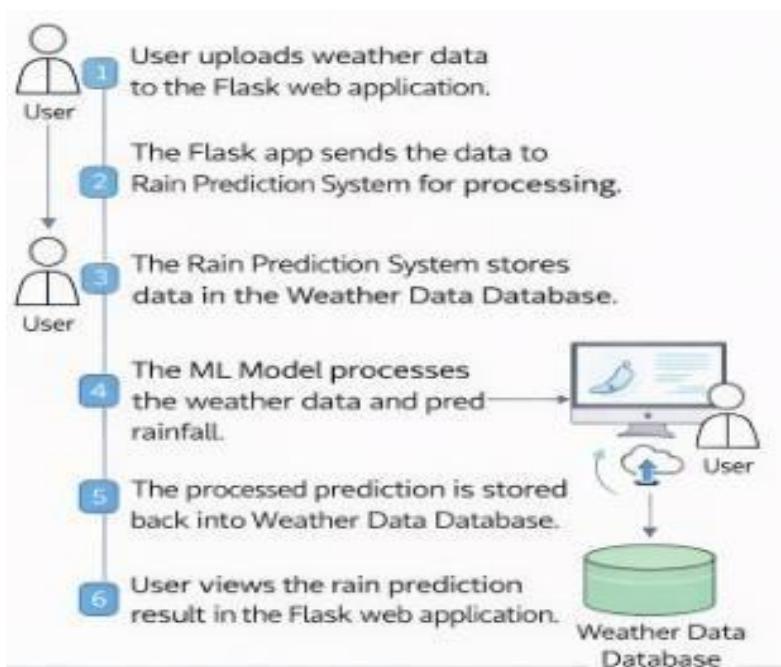


Project Design Phase-II Data Flow Diagram & User Stories

Date	4 FEB 2026
Team ID	LTVIP2026TMIDS87433
Project Name	Rain Prediction Pipeline Flask
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.



User Stories:

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
User (Web)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
User (Web)	Login	USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
User (Web)	Data Input	USN-3	As a user, I can upload weather data through the Flask interface.	Weather data is accepted without errors.	High	Sprint-2
User (Web)	Prediction	USN-4	As a user, I can submit weather inputs and receive rain prediction results.	Prediction is displayed on screen.	High	Sprint-1
User (Web)	View Results	USN-5	As a user, I can view rainfall prediction clearly on the dashboard.	Prediction result is readable and accurate.	High	Sprint-1
User (Web)	Data Storage	USN-6	As a user, I want prediction data to be stored for later reference.	Data saved in Weather Database.	Medium	Sprint-2
Student / Analyst	Model Understanding	USN-7	As a learner, I want to understand how ML processes weather data.	ML workflow is visible in project structure.	Medium	Sprint-2
Admin	System Management	USN-8	As an admin, I can manage datasets and model files.	Admin can update datasets/models.	Medium	Sprint-2